

Maria R. Hoopes (Blanton)

Education

- B.S.: North Carolina State University, Zoology, 1992

Professional Experience

- Feb 1999-Present: Biologist, Developmental Biology Branch, Reproductive Toxicology Division, National Health and Environmental Effects Research Lab, U.S. EPA
- April 1996-Feb 1999: Research Technician III, Anatomy, Physiology, and Radiology Department, North Carolina State University, Raleigh, NC
- Nov 1995- April 1996: Research Technician II, Pathology Department, Duke University Medical Center, Durham

Publications

Journal Articles

Hunter ES, Blanton MR, Rogers EH, Mole M, Andrews JE, Chernoff N. 2006. Short-term exposures to dihaloacetic acids produce dysmorphogenesis in mouse conceptuses *in vitro*. *Reprod Toxicol.* 22:443-48. [Abstract](#)

Hunter ES, Rogers EH, Blanton MR, Richard AM, Chernoff N. 2006. Bromochlorohaloacetic acids: Effects on mouse embryos *in vitro* and QSAR considerations. *Reprod Toxicol.* 21:260-6. [Abstract](#)

Johnson C, Blanton MR, Hunter ES. 2004. Effects of ethanol and hydrogen peroxide on mouse limb bud mesenchyme differentiation and cell death. *In Vitro Cell Dev Biol Anim.* 40:108-112. [Abstract](#)

Abstracts

Blanton MR, Padowski JM, Hunter ES, Rogers JM, and Lau C. PFOA Induces Dysmorphogenesis In Mouse Whole Embryo Culture. (2005 SOT)

Karoly ED, Schmid JE, Blanton MR, Hunter ES. Altered transcriptional responses in mouse embryos exposed to Bis 1 in Mouse Embryo culture. (2005 SOT)

E.P Hines, R. Barbee, M. Blanton, MS Pooler, and S.E. Fenton. Effects of Atrazine and an Atrazine Metabolite Mixture on Differentiated Mammary Epithelial Cell Milk Protein Production in Culture. (2005 SOT)

S. Hunter (M. Blanton, E. Karoly, E. Rogers, L. Mole, P. Hartig, and J. Andrews). Understanding Pathways of Toxicity: Making Sense of Changing Signals. (Teratology Society Meeting, Vancouver, British Columbia 6/26-7/01/04.

Blanton, M and Hunter, ES. Haloacetic Acids perturb protein phosphorylation in mouse embryos in vitro. (2002 Society of Toxicology)

Hunter, S (Smith, Blanton, Hartig & Sulik), Amelioration of ethanol-induced dysmorphogenesis by adenoviral-mediated cu,Zn-sod and Mn-Sod expression in neurulation staged mouse embryos in vitro. (2001 Asheville)

Smith, J (Hartig, Blanton, Sulik & Hunter), Amelioration of ethanol-induced dysmorphogenesis by adenoviral-mediated cu,Zn-Sod and Mn-Sod expression in neurulation staged mouse embryos in vitro. (2001 Asheville)

Hunter, S (Smith, Blanton, Hartig & Sulik), Amelioration of Ethanol-induced dysmorphogenesis in rodent embryos in vitro using adenoviral-mediated expression of SOD1 or SOD2. (2001 Chapel Hill)

Blanton, M (Klinefelter, Kempinas,& Hunter), Effects of Halo acetic acids on phosphorylated proteins by western blot and two dimensional gel electrophoresis. (2001 NC SOT)

Blanton, M (Ward, Rogers, Roberts, Klinefelter, Mundy & Hunter), Pathogenesis of Haloacetic acid-induced embryotoxicity in mouse whole embryo culture. (1999 Open House NHEERL)